

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8069	(inner\$5 or inside) near3 (region or area or zone) near3 (disc or disk or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/18 16:34
L2	16070	(lock\$6 or secur\$6 or fix\$5 or latch\$5) near5 (pickup or (pick adj up) or (object \$5 near2 lens))	US-PGPUB; USPAT	OR	ON	2008/05/18 16:34
L3	204	L2 and 1	US-PGPUB; USPAT	OR	ON	2008/05/18 16:34
L4	4	1 same 2	US-PGPUB; USPAT	OR	ON	2008/05/18 16:35
L5	21335	(lock\$6 or secur\$6 or fix\$5 or latch\$5 or stop\$5) near5 (pickup or (pick adj up) or (object\$5 near2 lens))	US-PGPUB; USPAT	OR	ON	2008/05/18 16:38
L7	11	1 same 5	US-PGPUB; USPAT	OR	ON	2008/05/18 16:38
L8	18802	(stop\$5) same (pickup or (pick adj up))	US-PGPUB; USPAT	OR	ON	2008/05/18 16:42
L9	2798	(prevent\$6 or avoid\$6 or inhibit\$6 or prohibit\$5) near5 (colli\$6 or contact\$6 or crash\$6 or hit\$5) near10 (lens or pickup or (pick adj up) or head) near10 (disk or disc or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/18 16:42
L10	19	L9 same 8	US-PGPUB; USPAT	OR	ON	2008/05/18 16:42
L11	70910	(pickup or (pick adj up) or (object\$5 near2 lens) or head) near15 (park\$3 or off or (non\$3 near2 (state or mode or operat\$6)))	US-PGPUB; USPAT	OR	ON	2008/05/18 16:48
L12	250	L11 same 9	US-PGPUB; USPAT	OR	ON	2008/05/18 16:48
L13	1897	(retreat\$6 or restrict\$6 or limit\$6 or stop\$6) near8 (mov\$6 or displac\$7) near3 (pickup or (pick adj up) or (object\$5 near2 lens))	US-PGPUB; USPAT	OR	ON	2008/05/18 16:58

L14	82	9 and 13	US-PGPUB; USPAT	OR	ON	2008/05/18 16:59
L15	448	11 and 13	US-PGPUB; USPAT	OR	ON	2008/05/18 17:48
L16	87	11 same 13	US-PGPUB; USPAT	OR	ON	2008/05/18 17:48
L21	1	10/553797.app.	US-PGPUB; USPAT	OR	ON	2008/05/18 18:55
S4	2798	(prevent\$6 or avoid\$6 or inhibit\$6 or prohibit\$5) near5 (colli\$6 or contact\$6 or crash\$6 or hit\$5) near10 (lens or pickup or (pick adj up) or head) near10 (disk or disc or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/16 11:00
S5	14138	((allow\$7 or mov\$7 or maximum or max or limit \$6) near3 (limit or range or displacement or distance or space or length or height)) same ((focus\$6 or perpendicular or up) near2 (direction))	US-PGPUB; USPAT	OR	ON	2008/05/16 11:06
S6	171767	(inner or inside) near3 (disk or area or disc or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/16 11:07
S7	114009	(outter or outside) near3 (disk or area or disc or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/16 11:07
S8	11	S4 and S5 and S6 and S7	US-PGPUB; USPAT	OR	ON	2008/05/16 11:07
S10	72	S4 and S5	US-PGPUB; USPAT	OR	ON	2008/05/16 11:10
S11	64405	(warp\$6 or curv\$6 or bent \$5 or eccentric\$6 or deflect \$6 or tilt\$6 or skew) near4 (disk or disc or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/16 11:15
S12	651	S4 and S11	US-PGPUB; USPAT	OR	ON	2008/05/16 11:15
S13	263	S12 and S6	US-PGPUB; USPAT	OR	ON	2008/05/16 11:16
S14	77	(369/53.13).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/05/16 13:58
S15	175091	(inner\$4 or inside) near3 (disk or area or disc or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/16 14:08

S16	14138	((allow\$7 or mov\$7 or maximum or max or limit \$6) near3 (limit or range or displacement or distance or space or length or height)) same ((focus\$6 or perpendicular or up) near2 (direction))	US-PGPUB; USPAT	OR	ON	2008/05/16 14:08
S17	50	S16 same S15	US-PGPUB; USPAT	OR	ON	2008/05/16 14:08
S18	35052	((allow\$7 or mov\$7 or maximum or max or limit \$6) near3 (limit or range or displacement or distance or space or length or height)) same ((focus\$6 or perpendicular or up or axi\$4) near2 (direction))	US-PGPUB; USPAT	OR	ON	2008/05/16 14:10
S19	2798	(prevent\$6 or avoid\$6 or inhibit\$6 or prohibit\$5) near5 (colli\$6 or contact\$6 or crash\$6 or hit\$5) near10 (lens or pickup or (pick adj up) or head) near10 (disk or disc or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/16 14:11
S20	5	S19 same S18	US-PGPUB; USPAT	OR	ON	2008/05/16 14:11
S21	12278	(pickup or (pick adj up) or head) same shutter	US-PGPUB; USPAT	OR	ON	2008/05/16 14:16
S22	183	S19 and S21	US-PGPUB; USPAT	OR	ON	2008/05/16 14:16
S23	114	((inner\$5 or inside) near3 (disk or area or disc or medium or carrier) near5 (outter\$5 or outside)) same ((distance or range or displacement) near8 (greater or more or higher or less or smaller or lower))	US-PGPUB; USPAT	OR	ON	2008/05/16 14:24
S24	262	(shutter or member or element or unit) near5 S19	US-PGPUB; USPAT	OR	ON	2008/05/16 14:30
S25	16438	(displacement or distance or length or height or space or movement) near5 (object\$6 near2 lens)	US-PGPUB; USPAT	OR	ON	2008/05/16 14:40

S26	125	S15 same S25	US-PGPUB; USPAT	OR	ON	2008/05/16 14:40
S27	31042	(pickup or (pick adj up) or head) near5 (inclin\$6 or tilt \$7 or skew\$3 or slope\$3)	US-PGPUB; USPAT	OR	ON	2008/05/16 15:06
S28	64405	(warp\$6 or curv\$6 or bent \$5 or eccentric\$6 or deflect \$6 or tilt\$6 or skew) near4 (disk or disc or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/16 15:06
S29	3067	S28 and S27	US-PGPUB; USPAT	OR	ON	2008/05/16 15:06
S30	48828	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/05/16 15:07
S31	1062	S30 and S29	US-PGPUB; USPAT	OR	ON	2008/05/16 15:07
S32	359	S25 and S31	US-PGPUB; USPAT	OR	ON	2008/05/16 15:09
S33	349	S32 not S26	US-PGPUB; USPAT	OR	ON	2008/05/16 15:09
S34	0	(limit\$6 or restrict\$6) near5 (clearance or height or distance or movement or displacement) near5 (object\$5 near2 lens) near15 ((inner\$5 or inside) near3 (disk or disc or medium or carrier))	US-PGPUB; USPAT	OR	ON	2008/05/16 15:37
S35	0	(limit\$6 or restrict\$6) near10 (clearance or height or distance or movement or displacement) near10 (object\$5 near2 lens) near15 ((inner\$5 or inside) near3 (disk or disc or medium or carrier))	US-PGPUB; USPAT	OR	ON	2008/05/16 15:38
S36	600	(limit\$6 or restrict\$6) near10 (clearance or height or distance or movement or displacement) near10 (object\$5 near2 lens)	US-PGPUB; USPAT	OR	ON	2008/05/16 15:38
S37	37	S19 and S36	US-PGPUB; USPAT	OR	ON	2008/05/16 15:38

S38	950	(limit\$6 or restrict\$6 or prevent\$5 or prohibit\$6 or inhibit\$6) near10 (clearance or height or distance or movement or displacement) near10 (object\$5 near2 lens)	US-PGPUB; USPAT	OR	ON	2008/05/16 15:47
S39	371	S30 and S38	US-PGPUB; USPAT	OR	ON	2008/05/16 15:47
S40	1771	(lock\$6 or secur\$6) near5 (pickup or (pick adj up) or (object\$5 near2 lens) or head) near15 (park\$3 or off or (non\$3 near2 (state or mode or operat\$6)))	US-PGPUB; USPAT	OR	ON	2008/05/16 15:55
S41	30	S19 and S40	US-PGPUB; USPAT	OR	ON	2008/05/16 15:56
S42	70910	(pickup or (pick adj up) or (object\$5 near2 lens) or head) near15 (park\$3 or off or (non\$3 near2 (state or mode or operat\$6)))	US-PGPUB; USPAT	OR	ON	2008/05/16 16:01
S43	250	S19 same S42	US-PGPUB; USPAT	OR	ON	2008/05/16 16:01
S44	16	("2998255"   "3915458"   "3940148"   "4032971"   "4092671"   "4342108"   "4412320"   "4435800"   "4516233"   "4574372"   "4654735"   "4725907"   "4742410"   "4786995"   "4899328").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/16 16:17
S45	2	("5130973").URPN.	USPAT	OR	ON	2008/05/16 16:19
S46	9	("5444690").URPN.	USPAT	OR	ON	2008/05/16 16:27
S47	0	("2004/0202063").URPN.	USPAT	OR	ON	2008/05/16 16:34
S48	1	"5297122".pn.	USPAT	OR	ON	2008/05/16 16:35
S49	1	"6781946".pn.	USPAT	OR	ON	2008/05/16 16:35
S50	1	"6502207".pn.	USPAT	OR	ON	2008/05/16 16:36

S51	37	(lock\$6 or secur\$6 or fix\$5 or latch\$5) near5 (pickup or (pick adj up) or (object \$5 near2 lens)) near15 (inner\$5 or inside) near3 (disc or disk or medium or carrier)	US-PGPUB; USPAT	OR	ON	2008/05/16 17:05
S53	16070	(lock\$6 or secur\$6 or fix\$5 or latch\$5) near5 (pickup or (pick adj up) or (object \$5 near2 lens))	US-PGPUB; USPAT	OR	ON	2008/05/16 17:17
S54	34	S19 same S53	US-PGPUB; USPAT	OR	ON	2008/05/16 17:18
S56	1	"20020075773".pn.	US-PGPUB; USPAT	OR	ON	2008/05/16 17:27

5/18/2008 7:19:37 PM

C:\Documents and Settings\lchow1\My Documents\EAST\Workspaces\10553797.wsp